

1. Innovation, Entrepreneurship and the Informal Economy in Sub-Saharan Africa
2. Chapter

## **Towards an Integrative Model of Innovative Entrepreneurship Education for Institutional Sustainability**

- Chapter
- First Online: 03 February 2024
- pp 143–169
- Cite this chapter

### **Innovation, Entrepreneurship and the Informal Economy in Sub-Saharan Africa**

- Mercy Ejovwokeoghene Ogbari,
- George Uzoma K. Chima,
- Favour Oluwabukola Olarewaju,
- Maxwell Ayodele Olokundun &
- Daniel E. Ufua

**Part of the book series:** [Sustainable Development Goals Series](#) ((SDGS))

- **52** Accesses

### **Abstract**

---

This paper advocates and posits the Integrative Model of Innovative Entrepreneurship Education (IMIEE). This is achievable by exploring entrepreneurship from the angle of educating students and aspiring entrepreneurs to become innovative entrepreneurs rather than being imitative and non-disruptive. However, given the current overly theoretical nature of teaching schemes across higher institutions today, curriculum needs to be completely overhauled to incorporate more innovative approach of practical and hands-on experiences that fosters innovative entrepreneurial practice. An integrative model for innovative entrepreneurship education becomes imperative for insight and guidance for pedagogy and practice in a way that drives institutional sustainability. Thus, this theoretical paper contributes to existing literature by analysing various empirical works and previous models such as the Design Thinking Approach, D.I.S.R.U.P.T, the Experiential model, and National Innovation Systems (NIS). Some shortcomings in previous models inform the need to posit an integrative model that synthesises vital elements.

This is a preview of subscription content, [log in via an institution](#) to check access.

## References

---

- Adegbuyi, A. A., Adegbuyi, O. A., Ogunnaike, O. O., Ibidunni, A. S., & Fadeyi, O. I. (2018). Role of learning orientation on Smes' performance: Empirical evidence from SMEs in Nigeria. *Journal of Entrepreneurship Education*, 21(4), 1–6.

### [Google Scholar](#)

- Akhmetshin, E. M., Mueller, J. E., Yumashev, A. V., Kozachek, A. V., Prikhodko, A. N., & Safonova, E. E. (2019). Acquisition of entrepreneurial skills and competences: Curriculum development and evaluation for higher education. *Journal of Entrepreneurship Education*, 22(1), 1–12.

### [Google Scholar](#)

- Baumöl, W. J. (2004). Education for innovation: Entrepreneurial breakthroughs vs. corporate incremental improvements. *Working Paper 10578*. National Bureau of Economic Research.

### [Google Scholar](#)

- Baumöl, W. J., Litan, R. E., & Schramm, C. J. (2007a). *Good capitalism, bad capitalism, and the economics of growth and prosperity*. Yale University Press.

### [Book Google Scholar](#)

- Baumöl, W. J., Litan, R. E., & Schramm, C. J. (2007b). Sustaining entrepreneurial capitalism. *Capitalism and Society*, 2(2), Article 1. <http://www.bepress.com/cas/vol2/iss2/art1>
- Baumöl, W. J. (2010). *The microtheory of innovative entrepreneurship*. Princeton University Press.

### [Book Google Scholar](#)

- Block, J. H., Fisch, C. O., & Van Praag, M. (2017). The Schumpeterian entrepreneur: A review of the empirical evidence on the antecedents, behaviour, and consequences of innovative entrepreneurship. *Industry and Innovation*, 24(1), 61–95.

### [Article Google Scholar](#)

- Brawer, F. B. (1997). Simulation as a vehicle in entrepreneurship education. *Digest No. 97–1, Center for Entrepreneurial Leadership Clearinghouse on Entrepreneurship Education*. Kauffman Center for Entrepreneurial Leadership.

### [Google Scholar](#)

- Carlsson, B., Jacobsson, S., Holmén, M., & Rickne, A. (2002). Innovation systems: Analytical and methodological issues. *Research Policy*, 31, 233–245.

### [Article Google Scholar](#)

- Cantillon, R. (1755). *Essai sur la Nature de Commerce en General*. Chez Fletcher Gyles.

### [Google Scholar](#)

- Chilosi, A. (2001). Entrepreneurship and transition. *MOCT-MOST: Economic Policy in Transitional Economies*, 11, 327–357.

### [Google Scholar](#)

- Chima, G. U. K. (2016). *New leadership approach: Paradigm shift* (1st ed). Lumen Impact Communication 2084089. ISBN: 978-978-953-790-7.

### [Google Scholar](#)

- Christensen, C. M. (2006). The ongoing process of building a theory of disruption. *Journal of Product Innovation Management*, 23, 39–55.

### [Article Google Scholar](#)

- Colyvas, J. A., & Powell, W. W. (2007). From vulnerable to vulnerated: The institutionalization of academic entrepreneurship in the life sciences. *Research in the Sociology of Organizations*, 25, 219–259.

### [Article Google Scholar](#)

- Csikszentmihalyi, M. (1987). *Das flow-Erlebnis: jenseits von Angst und Langeweile: im Tun aufgehen (The flow experience: beyond fear and boredom: immerse yourself in the action)*. Klett-Cotta.

### [Google Scholar](#)

- de Jong, J. P., & Marsili, O. (2015). The distribution of Schumpeterian and Kirznerian opportunities. *Small Business Economics*, 44, 19–35.

### [Google Scholar](#)

- Dhliwayo, S. (2008). Experiential learning in entrepreneurship education: A prospective model for South African tertiary institutions. *Education+ training*, 50(4), 329–340.

### [Google Scholar](#)

- Dijksterhuis, E., & Silviu, G. (2017). The Design Thinking approach to projects. *The Journal of Modern Project Management*, 4(3).

### [Google Scholar](#)

- Donckels, R. (1991). Education and entrepreneurship experiences from secondary and university education in Belgium. *Journal of Small Business and Entrepreneurship*, 9(1), 35–42.

### [Article Google Scholar](#)

- Faltin, G. (1999). Competencies for innovative entrepreneurship. *M. Singh, Adult Learning and the Future of Work*, 189–197.

### [Google Scholar](#)

- Faltin, G. (2001). Creating a culture of innovative entrepreneurship. *Journal of International Business and Economy*, 2(1), 123–140.

### [Article Google Scholar](#)

- Gabr, H., & Hoffman, A. (2006). A general policy framework for entrepreneurship. *FORA, Division for Research and Analysis*. Ministry of Business and Economic Affairs.

### [Google Scholar](#)

- Gibb, A. (1996a). The Role of Education and Training in Small and Medium Enterprise (SME) Development (manuscript).

### [Google Scholar](#)

- Gibb, A. A. (1996b). Entrepreneurship and small business management: Can we afford to neglect them in the twenty-first century business school? *British Journal of Management*, 7(4), 3.

### [Article Google Scholar](#)

- Goedhuys, M., & Sleuwaegen, L. (2010). High-growth entrepreneurial firms in Africa: A quantile regression approach. *Small Business Economics*, 34(1), 31–51.

### [Article Google Scholar](#)

- Gorman, G., Hanlon, D., & King, W. (1997). Some research perspectives on entrepreneurship education, enterprise education and education for small business management: A ten-year literature review. *International Small Business Journal*, 15(3), 56–78.

### [Article Google Scholar](#)

- Helpman, E. (2004). *The mystery of economic growth*. Harvard University Press.

### [Google Scholar](#)

- Hills, G. E. (1988). Variations in university entrepreneurship education: An empirical study of an evo field. *Journal of Business Venturing*, 3, 109–122.

[Article Google Scholar](#)

- Hinterhuber, H. H. (1992). *Strategische Unternehmensführung*.

[Google Scholar](#)

- Hoffman, A. (2005). Innovation monitor 2005: Denmark's innovation capacity – from benchmarking to policy priorities. FORA, Division for Research and Analysis, Ministry of Business and Economic Affairs.

[Google Scholar](#)

- Ivanov, V. G., Akhmetgareev, R. A., & Varaksin, V. E. (2011). Competence model of formation of readiness for future professionals to innovative professional activities in the “high school - the troops.” *Herald Kazan State Technological University*, 4, 242–244.

[Google Scholar](#)

- Ivanov, V. G., Shaidullina, A. R., Drovnikov, A. S., Yakovlev, S. A., & Masalimova, A. R. (2015). Regional experience of students' innovative and entrepreneurial competence forming. *Review of European Studies*, 7, 35.

[Google Scholar](#)

- Kauffman Panel on Entrepreneurship Curriculum in Higher Education. (2008). Entrepreneurship in American higher education. Kauffman Foundation.

[Google Scholar](#)

- Kirzner, I. M. (1973). *Competition and entrepreneurship*. University of Chicago Press.

[Google Scholar](#)

- Klatt, L. A. (1988). A study of small business/entrepreneurial education in colleges and universities. *The Journal of Private Enterprise*, 4, 103–108.

### [Google Scholar](#)

- Kourilsky, M. L., & Esfandiari, M. (1997). Entrepreneurship education and lower socioeconomic black youth: An empirical investigation. *The Urban Review*, 29(3), 205–215.

### [Article Google Scholar](#)

- Kolb, D. A. (1984). *Experiential learning: Experience as the source of learning and development*. Prentice-Hall, Inc.

### [Google Scholar](#)

- Kourilsky, M. L., & Walstad, W. B. (2000). *The E generation: Prepared for the entrepreneurial economy?* Kendall/Hunt Publishing Company.

### [Google Scholar](#)

- Kuratko, D. F. (2005). The emergence of entrepreneurship education: Development, trends, and challenges. *Entrepreneurship Theory and Practice*, 29(5), 577–597.

### [Article Google Scholar](#)

- Lawal, F. A., Iyiola, O. O., & Adegbuyi, O. A. (2018). Exploring alternative financing for entrepreneurship development in Nigeria: Surmounting challenges. *Journal of Entrepreneurship Education*, 21(2), 1–11.

### [Google Scholar](#)

- Liedtka, J., King, A., & Bennett, K. (2013). *Solving problems with design thinking: Ten stories of what works*. Columbia University Press.

### [Google Scholar](#)

- Lundvall, B. A. (Ed.). (1992). *National systems of innovation: Towards a theory of innovation and interactive learning*. Pinter Publishers.

### [Google Scholar](#)

- Lundvall, B., Johnson, B., Andersen, E. S., & Dalum, B. (2002). National systems of production, innovation and competence building. *Research Policy*, 31, 213–231.

### [Article Google Scholar](#)

- Mars, M. M., & Lounsbury, M. (2009). Raging against or with the private marketplace? Logic hybridity and eco-entrepreneurship. *Journal of Management Inquiry*, 18(1), 4–13.

### [Article Google Scholar](#)

- Mars, M. M., Slaughter, S., & Rhoades, G. (2008). The state-sponsored student entrepreneur. *The Journal of Higher Education*, 79(6), 638–670.

### [Article Google Scholar](#)

- Mayhew, M. J., Simonoff, J. S., Baumöl, W. J., Wiesenfeld, B. M., & Klein, M. W. (2012). Exploring innovative entrepreneurship and its ties to higher educational experiences. *Research in Higher Education*, 53(8), 831–859.

### [Article Google Scholar](#)

- McCarthy, M. (2016). Experiential learning theory: From theory to practice. *Journal of Business & Economics Research*, 14(3), 91–99.

### [Google Scholar](#)

- Morgan, G. (1991). Emerging waves and challenges: The need for new competencies and mindsets. In J. Henry (Ed.), *Creative Management*.

### [Google Scholar](#)

- Moses, C., Akinbode, M., Olokundun, A. M., & Agboola, M. G. (2015). Entrepreneurship education and action-oriented pedagogical approaches. *International Journal of Educational Science and Research*, 5(5), 53–60.

### [Google Scholar](#)

- Ndofirepi, T. M. (2016). *The impact of technological creativity and entrepreneurship education on the entrepreneurship intentions of students at particular tertiary institutions in Zimbabwe and South Africa*. Doctoral dissertation. Central University of Technology, Free State.

### [Google Scholar](#)

- OECD. (1997). *National Innovation Systems*.



### [Google Scholar](#)

- OECD. (2005). Innovation policy and performance: Across-country comparison. Author.

### [Google Scholar](#)

- Ogbari, M. E., Olokundun, A. M., Ibidunni, A. S., & Obi, J. N. (2019). Imperatives of Entrepreneurship Development Studies on University Reputation in Nigeria. *Journal of Entrepreneurship Education*, 22(2), 1–10.

### [Google Scholar](#)

- Olarewaju, F. O., & Olurinola, I. O. (2021). Educational Attainment and Health Outcomes in Nigeria: A Survey from NDHS (2008 & 2013). *Scholars Journal of Science and Technology*, 2(1), 247–257.

### [Google Scholar](#)

- Olokundun, A. M., Ibidunni, A. S., Peter, F., Amaihian, A. B., Moses, C., & Iyiola, O. O. (2017). Experiential pedagogy and shared vision: A focus on identification of business opportunities by Nigerian University Students. *Journal of Entrepreneurship Education*, 20(2), 1–12.

### [Google Scholar](#)

- Olokundun, M., Iyiola, O., Ibidunni, S., Ogbari, M., Falola, H., Salau, O., Peter, F., & Borishade, T. (2018a). Data article on the effectiveness of entrepreneurship curriculum contents on entrepreneurial interest and knowledge of Nigerian university students. *Data in Brief*, 18, 60–65.

### [Article Google Scholar](#)

- Olokundun, M., Moses, C. L., Iyiola, O., Ibidunni, S., Ogbari, M., Peter, F., & Borishade, T. (2018b). The effect of non-traditional teaching methods in entrepreneurship education on students' entrepreneurial interest and business startups: A data article. *Data in Brief*, 19, 16–20.

### [Article Google Scholar](#)

- Osipov, P. N. (2006). Vocational education and labor market: Cooperation. *Kazan Pedagogical Journal*, 2, 10–13.

### [Google Scholar](#)

- Plaschka, G. R., & Welsch, H. P. (1990). Emerging structures in entrepreneurship education: Curricula designs and strategies. *Entrepreneurship Theory and Practice*, 14(3), 55–71.

### [Article Google Scholar](#)

- Rabbior, G. (1990). Elements of a successful entrepreneurship/economics/education program. In C. A. Kent (Ed.), *Entrepreneurship education: Current developments, future directions* (pp. 53–65). Greenwood Publishing Group.

### [Google Scholar](#)

- Rauth, I., Carlgren, L., & Elmquist, M. (2015). Making it happen: Legitimizing Design Thinking in large organizations. *Design Management Journal*, 8(3), 47–60.

### [Google Scholar](#)

- Randall, R., & Liedtka, J. (2014). Innovative ways companies are using design thinking. *Strategy & Leadership*.

### [Google Scholar](#)

- Ronstadt, R. (1987). The educated entrepreneurs: A new era of entrepreneurial education is beginning. *American Journal of Small Business*, 7(4), 37.

### [Article Google Scholar](#)

- Say, J. B. (1827). A treatise on political economy. 1803 (C. R. Prinsep & C. C. Biddle, Trans., 3rd American edition). John Grigg.

### [Google Scholar](#)

- Schumpeter, J. A. (1936). The theory of economic development. 1911 (R. Opie, Trans.). Harvard University Press.

### [Google Scholar](#)

- Schumpeter, J. (1993). *Theorie der wirtschaftlichen Entwicklung*. 8th Edition (unchanged version of the fourth edition, which was published in 1934). Berlin.

### [Google Scholar](#)

- Scott, M. G., & Twomey, D. F. (1998). The long-term supply of entrepreneurs: Student's career aspirations in relation to entrepreneurship. *Journal of Small Business Management*, 26(4), 5–13.

### [Google Scholar](#)

- Solomon, G. T., Weaver, K. M., & Fernald, L. W., Jr. (1994). Pedagogical methods of teaching entrepreneurship: A historical perspective. *Simulation and Gaming*, 25(3), 338–353.

### [Article Google Scholar](#)

- Stumpf, S. S., Dunbar, L., & Mullen, T. P. (1991). Simulations in entrepreneurship education: Oxymoron or untapped opportunity? *Frontiers of Entrepreneurship Research*, 11, 681–694.

### [Google Scholar](#)

- Szirmai, A., Naudé, W., & Goedhuys, M. (Eds.). (2011). *Entrepreneurship, innovation, and economic development*. Oxford University Press.

### [Google Scholar](#)

- Tidd, J., Bassat, J., & Pavitt, K. (1997). *Managing innovation*. Chichester. John Wiley & Sons.

### [Google Scholar](#)

- Timmons, J. (1994). *New Venture Creation. Entrepreneurship in the 1990s* (4th ed.). Boston.

### [Google Scholar](#)

- Ukenna, S. (2009). Entrepreneurship: Overcoming the risk inertia. *Madonna University Journal of Research in Business Administration and Management*, 1(1), 61–68.

### [Google Scholar](#)

- Ukenna, S. I., & Nkamnebe, A. D. (2017). Sustainable consumption behavior in Sub-Saharan Africa: A conceptual framework. *Thunderbird International Business Review*, 59(1), 33–50.

### [Article Google Scholar](#)

- Undiyaundeye, F. (2015). Entrepreneurship skills acquisition and the benefits amongst the undergraduate students in Nigeria. *European Journal of Social Science Education and Research*, 2(3), 9–14.

### [Article Google Scholar](#)

- van der Sluis, J., van Praag, M., & Vijverberg, W. (2005). Entrepreneurship selection and performance: A meta-analysis of the impact of education in developing economies. *The World Bank Economic Review*, 9(2), 25–261.

### [Google Scholar](#)

- Vesper, K. H. (1993). *New Venture Mechanics*. Prentice Hall.

### [Google Scholar](#)

- Vesper, K. H., & McMullan, W. E. (1988). Entrepreneurship: Today courses, tomorrow degrees? *Entrepreneurship: Theory & Practice*, 13, 7–13.

### [Google Scholar](#)

- Weaver, M., Dickson, P., & Solomon, G. (2006). Entrepreneurship and education: What is known and not known about the links between education and entrepreneurial activity. In *The small business economy for data year 2005: A report to the president* (pp. 113–156). U.S. Small Business Administration.

### [Google Scholar](#)

- Zeithaml, C. P., & Rice Jr, G. H. (1987). Entrepreneurship/small business education in American universities. *Journal of Small Business Management*, 25(1), 44.

### [Google Scholar](#)

[Download references](#)

## Author information

---

### Authors and Affiliations

- 1. Department of Business Management, Covenant University, Ogun State, Ota, Nigeria**  
Mercy Ejoywokeoghene Ogbari, Maxwell Ayodele Olokundun & Daniel E. Ufua
- 2. Legacy Associated Consults Ltd, Lagos, Nigeria**  
George Uzoma K. Chima & Favour Oluwabukola Olarewaju

## Corresponding author

Correspondence to [Favour Oluwabukola Olarewaju](#).

## Editor information

---

### Editors and Affiliations

- 1. Department of Business Administration, Chrisland University, Abeokuta, Nigeria**  
Ayodotun Stephen Ibidunni
- 2. Accounting and Finance Department, Nottingham Trent University, Nottingham, UK**  
Oyedele Martins Ogundana
- 3. Department of Business Administration, London Metropolitan University, London, UK**  
Maxwell Ayodele Olokundun

## Rights and permissions

---

[Reprints and permissions](#)

## Copyright information

---

© 2024 The Author(s), under exclusive license to Springer Nature Switzerland AG

## About this chapter

---

### Cite this chapter

Ogbari, M.E., Chima, G.U.K., Olarewaju, F.O., Olokundun, M.A., Ufua, D.E. (2024). Towards an Integrative Model of Innovative Entrepreneurship Education for Institutional Sustainability. In: Ibidunni, A.S., Ogundana, O.M., Olokundun, M.A. (eds) Innovation, Entrepreneurship and the Informal

Economy in Sub-Saharan Africa. Sustainable Development Goals Series. Palgrave Macmillan, Cham. [https://doi.org/10.1007/978-3-031-46293-1\\_6](https://doi.org/10.1007/978-3-031-46293-1_6)

- DOI [https://doi.org/10.1007/978-3-031-46293-1\\_6](https://doi.org/10.1007/978-3-031-46293-1_6)
- Published 03 February 2024
- Publisher Name Palgrave Macmillan, Cham
- Print ISBN 978-3-031-46292-4
- Online ISBN 978-3-031-46293-1
- eBook Packages [Economics and Finance](#) [Economics and Finance \(R0\)](#)

## Publish with us

---

[Policies and ethics](#)

## Access this chapter

---

[Log in via an institution](#)

### Chapter

**EUR 29.95**

Price includes VAT (Nigeria)

---

- Available as PDF
- Read on any device
- Instant download
- Own it forever

Buy Chapter

**eBook**

**EUR 117.69**

**Hardcover Book**

**EUR 149.99**

Tax calculation will be finalised at checkout

**Purchases are for personal use only**

[Institutional subscriptions](#)

- Sections
- References

•

- [Help and support](#)

165.73.223.225

Not affiliated

© 2024 Springer Nature